Abstract of the Disclosure

A system measures dynamic force of an impacting spray of air and water. A pitot-tube section is aligned to receive a longitudinal flow of impacting air/water spray in a laterally extending orifice. A first differential pressure transducer is coupled to the pitot-tube section for producing signals representative of velocity of the air/water spray at the orifice. A rain gage section adjacent to the pitot-tube section receives and collects volumes of water of the longitudinal flow of air/water spray through a laterally extending opening. A second pressure differential transducer is coupled to the rain gage section to produce signals representative of the volumes of water collected in the rain gage section. A computer-based control/readout module receives the velocity representative signals and water volume representative signals for indicating the magnitude of dynamic force attributed to impacting air/water spray in the opening.